

## **Omnibus Multidiscipline Engineering Services (OMES) II**

### **Capability Statement Questions**

- 1) What past performance and current capabilities does your company possess to perform each of the OMES-II Statement of Work (SOW) elements? Identify specific missions, size/importance, and the extent of your involvement. Include a compliance matrix mapping your capabilities and/or experience against each of the SOW elements. What is the physical proximity of these experiences and/or capabilities to the Greenbelt campus of the Goddard Space Flight Center?
- 2) If your company does not have past experience and/or current capabilities in a specific OMES-II element, what other companies on your team, along with their past experience and current capabilities, will perform these specific OMES-II SOW elements? What kind of formal arrangement does your company have in place with these companies to provide these services? What is the physical proximity of each of these companies to the Greenbelt campus of the Goddard Space Flight Center?
- 3) What is the size and/or physical presence of your company (not other companies on your team) in the Greenbelt campus area? How will your company staff up and manage the larger workforce required to perform the OMES-II SOW elements in the Greenbelt campus area?
- 4) What is your company's capability and experience in developing advanced robotic technology to support new NASA missions that may include satellite capturing and in space servicing as well as developing ground simulation systems for in-space robotic operations? If your company does not have this capability and experience, what other companies on your team have this capability and experience?
- 5) What is your company's capability or past experience in developing and maintaining the state of art Ground Systems for Earth Observation Programs? This system will include software design, development and testing along with associated hardware integration, test and delivery. If your company does not have this capability or past experience, what other companies on your team have this capability or past experience?
- 6) What hands-on spaceflight hardware development, fabrication, assembly, and environmental test efforts has your company (including other companies on your team) performed in support of the space electronics? What manufacturing and test facilities (including physical locations, major equipment, capabilities, and planned expansion) does your company (including other companies on your team) have in support of building the space electronics and testing it for space environment? Be specific as to what hardware was delivered, and the extent of your involvement in manufacturing, testing and integrating spaceflight hardware.
- 7) What capabilities and experience does your company (including other companies on your team) have in developing and implementing innovative technologies for spaceflight hardware and Ground Systems Hardware & Software, as well as relevant experience in adopting the commercial technologies for high reliability space applications?